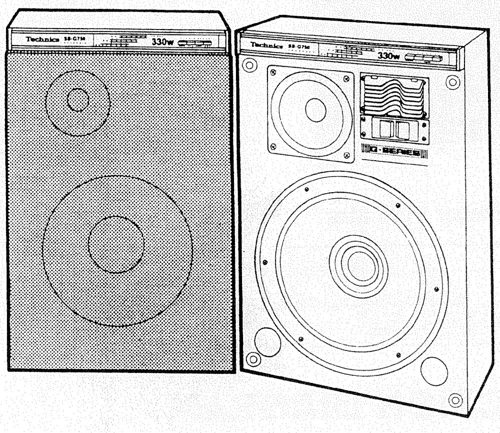
ORDER NO. HAD8706202C7

Service Manual

Speaker System

SB-G750



Color

(M)........... Walnut

Area

Color	Areas
(M)	[XA] ...... Asia, Oceania, Africa, Middle Near East and Latin America.
(M)	[PA] ...... Far East PX.
(M)	[XB] ...... Saudi Arabia.
(M)	[PAM] .... PX Mail Order Item.

SPECIFICATIONS

Type	4 way 4-speaker system Bass-reflex
Speakers	Woofer: 35 cm cone type Midrange: 16 cm cone type Tweeter: horn type Super Tweeter: horn type
Impedance	6 ohms
Input Power	330 W, Music
Output Sound Pressure Level	95 dB/W (1.0 m)
Crossover Frequency	350 Hz, 3,000 Hz, 10,000 Hz
Frequency Range	25 Hz ~ 40 kHz
Dimensions (W × H × D)	418 × 669 × 277 mm
Weight	14.0 kg

ESPECIFICACIONES

Type	4 voies, 4 haut-parleures, bass-reflex
Haut-parleurs	grave: 35 cm, type à cône médium: 16 cm, type à cône aigu: type à pavillon Super-aiguës: type à pavillon
Impédance	6 ohms
Entrée maximale	330 watts, musique
Niveau de pression sonore de sortie	95 dB/W (1,0 m)
Fréquence de commutation	350 Hz, 3.000 Hz, 10.000 Hz
Gamme de fréquences	25 Hz ~ 40 kHz
Dimensions (L × H × P)	418 × 669 × 277 mm
Poids	14,0 kg

CARACTERISTIQUES

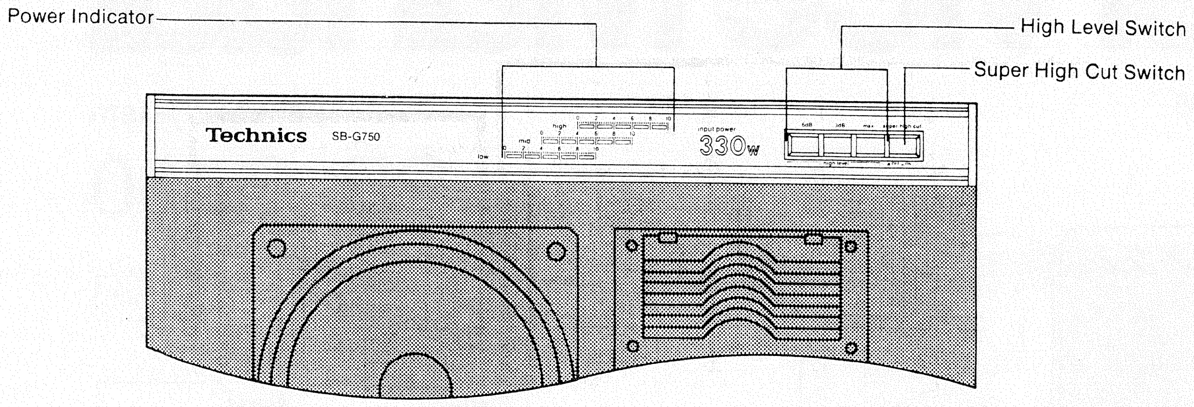
Tipo	Sistema de reflexión de bajos con 4 altoparlantes de 4 vías
Altoparlantes	Altavoz para graves: tipo cónico, de 35 cm Gama media: tipo cónico, de 16 cm Altavoz para agudos: tipo bocina Superagudos: tipo bocina
Impedancia	6 ohmios
Capacidad de potencia	330 vatios, música
Nivel de presión acústica de salida	95 dB/W (1,0 m)
Frecuencia de cruce	350 Hz, 3.000 Hz, 10.000 Hz
Alcance de frecuencia	25 Hz ~ 40 kHz
Dimensiones (An. × Al. × Prof.)	418 × 669 × 277 mm
Peso	14,0 kg

Technics

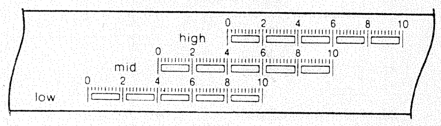
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

Panasonic Tokyo Office
Matsushita Electric Trading Co., Ltd.
6th Floor, World Trade Center Bldg.,
No. 4-1, Hamamatsu-cho 2-Chome, Minato-ku,
Tokyo 105, Japan

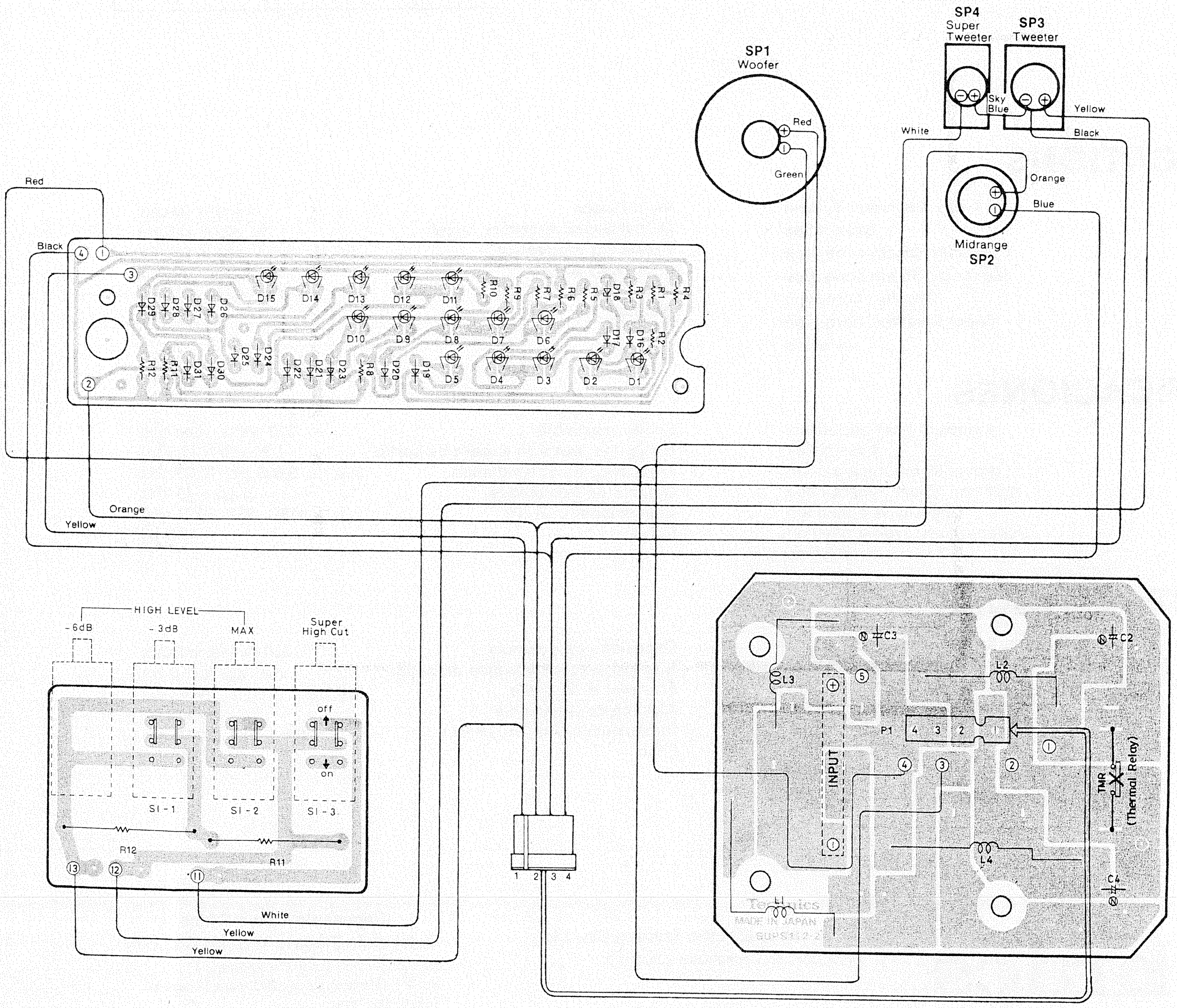
■ LOCATION OF CONTROLS


Power Indicator
High Level Switch
Super High Cut Switch
Technics
SB-G750
high
mid
low
input power
330w
-6dB
-3dB
max
super high cut
high level

Power Indicator

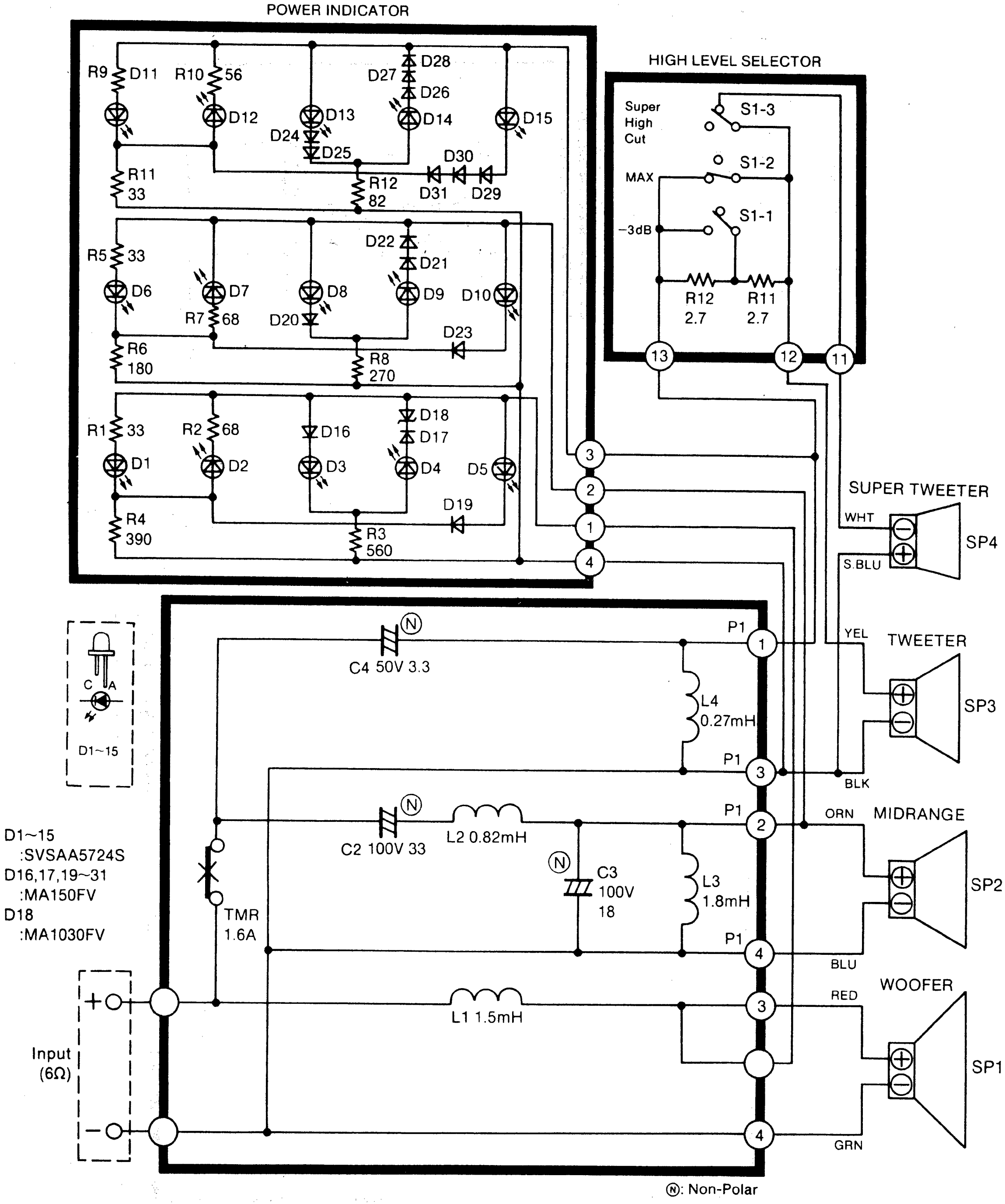

0 2 4 6 8 10
high
0 2 4 6 8 10
mid
0 2 4 6 8 10
low

■ CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM


SP4
Super Tweeter
SP3
Tweeter
SP1
Woofer
Red
Green
Sky Blue
White
Yellow
Black
Orange
Blue
Midrange
SP2
Red
Black
Orange
Yellow
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D16
D17
D18
D19
D20
D21
D22
D23
D24
D25
D26
D27
D28
D29
D30
D31
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
HIGH LEVEL
-6dB
-3dB
MAX
Super High Cut
off
on
SI-1
SI-2
SI-3
R12
R11
⑬
⑫
⑪
White
Yellow
Yellow
1 2 3 4
C3
C2
L3
L2
L4
L1
C4
P1
4 3 2
INPUT
①
②
③
④
⑤
TMR
(Thermal Relay)
Technics
MADE IN JAPAN
SUPS122-4

■ SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with development of new technology.)


POWER INDICATOR
R9
D11
R10
56
D12
D13
D24
D25
D27
D28
D26
D14
D15
R11
33
R12
82
D30
D31
D29
R5
33
D6
D7
R7
68
D8
D20
D22
D21
D9
D10
D23
R6
180
R8
270
R1
33
R2
68
D1
D2
D16
D3
D18
D17
D4
D5
D19
R4
390
R3
560
HIGH LEVEL SELECTOR
Super High Cut
S1-3
MAX
S1-2
-3dB
S1-1
R12
2.7
R11
2.7
13
12
11
3
2
1
4
SUPER TWEETER
WHT
S.BLU
SP4
YEL
TWEETER
SP3
BLK
ORN
MIDRANGE
SP2
BLU
RED
WOOFER
SP1
GRN
C
A
D1~15
D1~15
:SVSAA5724S
D16,17,19~31
:MA150FV
D18
:MA1030FV
N
C4 50V 3.3
P1
L4
0.27mH
C2 100V 33
L2 0.82mH
C3
100V
18
L3
1.8mH
TMR
1.6A
L1 1.5mH
Input
(6Ω)
+
−
Ⓝ: Non-Polar

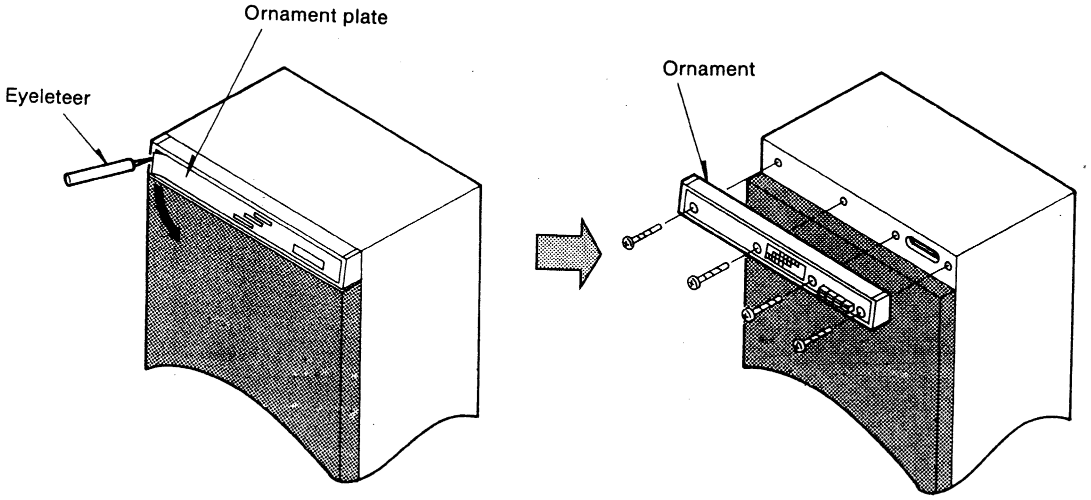
■ SERVICING METHOD

Ref. No.
1

How to remove the plate

Procedure
1

1. Remove the ornament plate by using a thin screwdriver or eyeleteer to loosen the left side of the plate.
2. Remove the 4 screws.
3. Remove the ornament.



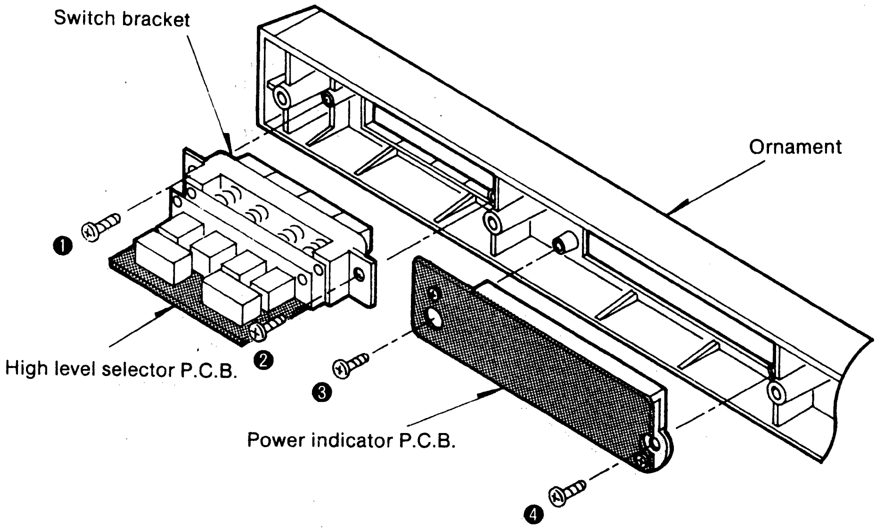
Ornament plate
Eyeleteer
Ornament

Ref. No.
2

How to remove the P.C.B.

Procedure
1 ▸ 2

- How to remove the High level selector P.C.B.
  Remove the 2 screws ❶, ❷.
- How to remove the Power indicator P.C.B.
  Remove the 2 screws ❸, ❹.



Switch bracket
Ornament
❶
High level selector P.C.B.
❷
❸
Power indicator P.C.B.
❹

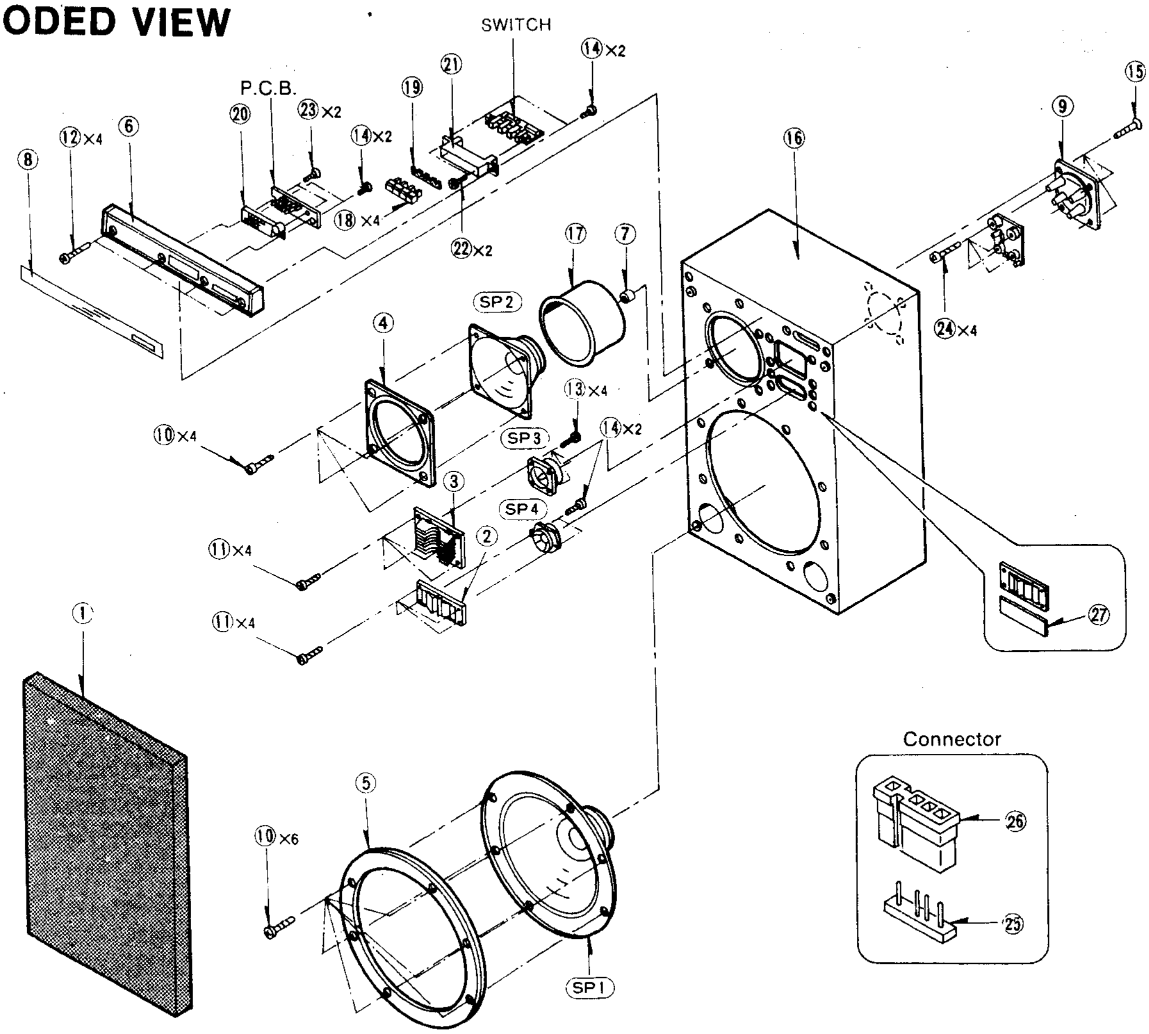
■ REPLACEMENT PARTS LIST

Notes:
1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in columns of description stand for the quantity per set.
3. Bracket indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.
4. The ⓢ mark is service standard parts and may differ from production parts.

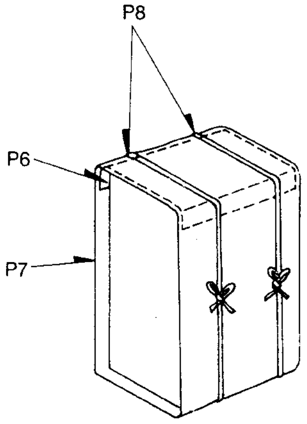
Ref. No.		Part. No.	Part Name & Description
SPEAKERS			
SP1		EAS33PL800B	Woofer
SP2		EAS16PM238B	Midrange
SP3		EAS19HD01C	Tweeter
SP4		EAS3FP16A	Super Tweeter
COILS			
L1		SLCSA152JE	1.5 mH
L2		SLCSA821JE	0.82 mH
L3		SLCSA182JE	1.8 mH
L4		SLCSA271KE	0.27 mH
CAPACITORS			
C2		ECEA100Y33K	33 μF, 100 V, Electric
C3		ECEA100Y18K	18 μF, 100 V, Electric
C4		ECEA50Y3R3K	3.3 μF, 50 V, Electric
RESISTORS			
R1		ERD50FJ330	33 Ω, 1/2 W, Carbon
R2		ERD50FJ680	68 Ω, 1/2 W, Carbon
R3		ERD50FJ561	560 Ω, 1/2 W, Carbon
R4		ERD50FJ391	390 Ω, 1/2 W, Carbon
R5		ERD50FJ330	33 Ω, 1/2 W, Carbon
R6		ERD50FJ181	180 Ω, 1/2 W, Carbon
R7		ERD50FJ680	68 Ω, 1/2 W, Carbon
R8		ERD50FJ271	270 Ω, 1/2 W, Carbon
R9		ERD50FJ220	22 Ω, 1/2 W, Carbon
R10		ERD50FJ560	56 Ω, 1/2 W, Carbon
R11		ERD50FJ330	33 Ω, 1/2 W, Carbon
R11, 12 (SW)		ERF5AK2R7	2.7 Ω, 5 W, Non-Flammable
DIODES			
D1 ~ 15		SVDSAA5724S	LED (ORANGE)
D16, 17		MA162A	Diode (Product Part No.: MA150)
D18		MA1030FV	Zener, 3 V
D19 ~ 31		MA162A	Diode (Product Part No.: MA150)
THERMAL RELAY			
TMR1		SSBS16AB03	1.6 A
SWITCH			
S1		SSHS402	Attenuator

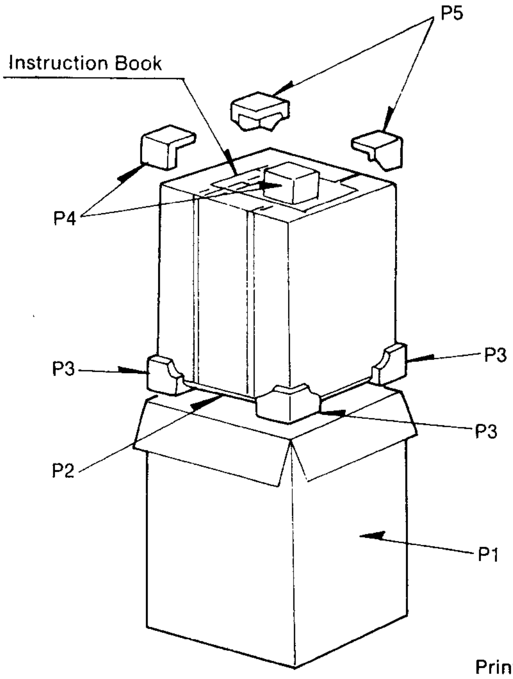
Ref. No.		Part. No.	Part Name & Description
CABINET PARTS			
1		SYBS229	Grill (1)
2		SYES42-1	Panel, Super Tweeter (1)
3		SYES59-1	Panel, Tweeter (1)
4		SYES26-2	Panel, Midrange (1)
5		SGES66-1	Panel, Woofer (1)
6		SYES62-1	Ornament (1)
7		SHG1435	Rubber (1)
8		SGKBG750-MX	Ornament Plate (1)
9		SJFBG750-MX	Terminal Board (1)
10		SNES9003-2FG	Screw, Woofer, Midrange (10)
11		SNES9006FG	Screw, Tweeter, Super Tweeter (8)
12		XTB4+35A	Screw, Ornament (4)
13		XTB4+14G	Screw, Tweeter (4)
14		XTB4+10G	Screw, Super Tweeter, SW, LED Plate (6)
15		XMS31+D16FZ	Screw, Terminal Plate (4)
16		SKA12040	Cabinet (1)
17		SXES3	Cover, Midrange (1)
18		SBC529-5	Button, Attenuator (4)
19		SHRS9132-1	Holder, Button (1)
20		SGE1897	Lens, LED (1)
21		SMES34	Bracket (1)
22		XSB3+6S	Screw, Switch Bracket (2)
23		XTB3+8J	Screw, LED PCB (2)
24		XTB4+35B	Screw, Attenuator PCB (4)
25		SJT3413	Terminal, 4 Pin (PCB Side) (1)
26		SJSA63	Socket, Lead Wire (1)
27		SGK2138	Name Plate (1)
ACCESSORIES			
A1 [PA, PAM]		SQF13055	Instruction Book (1)
A1 [XA, XB]		SQF13057	Instruction Book (1)
A2		SWXS189-2	Speaker Cord (1)
PACKING PARTS			
P1 [PA]		SPG6121	Carton Box (1)
P1 [XB]		SPG6121-1	Carton Box (1)
P1 [XA]		SPG6121-2	Carton Box (1)
P1 [PAM]		SPG6121-3	Carton Box (1)
P2		SPSS9056	Pad, Bottom (1)
P3		SPSS1030	Pad, Corner (4)
P4		SPSS9032	Pad, Corner (2)
P5		SPSS9014	Pad, Corner (2)
P6		SPHS6030	Soft Sheet (1)
P7		SPHS6026R	Polyethylene Sheet (1)
P8		SPE27	Rope (420 cm)

■ EXPLODED VIEW


SWITCH
⑭×2
⑮×4
㉑
⑨
P.C.B.
⑲
⑯
⑳
㉓×2
⑭×2
⑫×4
⑥
⑧
⑱ ×4
㉒×2
⑰
⑦
SP2
④
㉔×4
⑬×4
⑩×4
SP3
⑭×2
③
SP4
②
⑪×4
⑪×4
①
㉗
Connector
㉖
㉕
⑤
⑩×6
SP1

■ PACKING




P5
Instruction Book
P4
P3
P3
P3
P2
P1

Printed in Japan
S870600900AM/TS